



**\*\* FOR IMMEDIATE RELEASE \*\***

## ***New Products***

### **ACCES I/O Announces a New Series of PC/104 Digital Quadrature Encoder Boards**

*Embedded Systems Conference Boston Press Release—ACCES I/O Products, Inc.—Booth 931*

SAN DIEGO, CA—October 24th, 2008—ACCES I/O Products Inc., is excited to release its newest PC/104 board—the 104-QUAD-8 Series. This line of PC/104 quadrature input boards is an ideal solution for users in the motion control market looking for up to 4, 6, or 8-channels of encoder inputs. The boards are perfect for use in embedded motion control, instrumentation, robotics, industrial machinery, process control and monitoring, and more. Digital filtering, interrupts, and flexible programming of the LSI/CSI 24-bit dual axis quadrature counter LS7266R1 are at the heart of this full-function workhorse.

These PC/104 utility boards feature three conditioned differential inputs including indexing per channel. The eight pins per channel are accessed via two 34-pin IDC type headers, which include a resettable 0.5A fused 5V output and ground pair to power most common encoders. The board requires only +5V at a mere 260mA and includes a 16-bit pass-through PC/104 connector for easy system development and integration. Available accessories include a variety of ribbon cables, DIN-rail mountable screw terminal boards, as well as connector/screw terminal combinations which plug directly onto the header pins of the board.

Key features of the 104-QUAD-8 include:

- 4, 6 or 8 channels of quadrature encoder and channel index inputs
- Three differential channels per encoder, including dual axis and index
- Resettable fused +5VDC available per channel
- Input ranges:  $\pm 25V$  and  $\pm 7V$  common mode
- 4.3MHz maximum clock rate with digital filtering
- 24-bit dual axis quadrature counter LS7266R1 with selectable X1, X2 or X4 decoding modes
- Individual software reset for each channel
- Programmable for counting, speed, and direction; limit setting with interrupts
- Optional  $-40^{\circ}C$  to  $+85^{\circ}C$  operating temperature
- Optional latching I/O connectors

These boards are supported for use in most operating systems and include a free DOS, Linux and Windows 98/NT/2000/XP/2003 compatible software package. This package contains sample programs and source code in "C" for DOS, and Visual Basic, Delphi, C++ Builder, and Visual C++ for Windows. Also incorporated is a graphical setup program in Windows. Linux support includes installation files and basic samples for programming from user level via an open source kernel driver. Third party support includes a Windows standard DLL interface usable from the most popular application programs, and includes example LabVIEW VIs. Embedded OS support includes Windows XPe and CE.

#### **About ACCES I/O Products, Inc.**

For over 20 years, ACCES I/O Products, Inc. has supplied an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES also offers complete systems, integration services and enclosures with a quick turn-around on custom projects including software. ACCES products are designed for use with PC/104, PCI, PCI-X, Low Profile PCI, EBX, ETX, EPIC, USB, Ethernet and ISA, as well as distributed and wireless I/O. All hardware comes with a 30-day, no-risk return policy and a three-year warranty. For further information, visit the company's web site at [www.accesio.com](http://www.accesio.com).

**Price:** \$271.00—Model 104-QUAD-8  
\$233.00—Model 104-QUAD-6  
\$195.00—Model 104-QUAD-4

**Availability:** Now

**Delivery:** Stock to two weeks ARO

**For Further Information, Contact:**

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